

EPA Official Record

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Subject: EPA Study Material

ATTACHMENT: image001.png

ATTACHMENT: Recommended Light Gases SOP.DOCX

ATTACHMENT: Kalmbach Well.pdf

ATTACHMENT: Kalmbach Well Log.jpg

ATTACHMENT: Baseline_Survey_Form_2.pdf

George/Gene,

As requested during our call last Thursday, please find the attached documents.

1. Light gas sampling procedure
2. Kalmbach Well Data Sheet and Log
3. CHK Baseline Survey Forms
4. Incremental Fill Narrative (below)

Incremental Fill Narrative:

"For all spilt sampling events, sample bottles, except VOA vials, should be filled using incremental filling. Incremental filling allows for filling all samples bottles (bottle for all parties) so that the samples remain representative and consistent. This is accomplished by filling all of the samples bottle up to the one third mark; then filling all bottles up to the two-thirds capacity, and then filling to the top.

Total metals concentrations are influenced by the presence of sediment in the samples. In order to understand the true nature of turbidity and its influence on total metals, turbidity measurements should be made in a sample aliquot which is consistent with the samples being analyzed for metals analysis. This will be particularly necessary for low water yield monitoring wells. Consideration should be given to collecting the metals early in the sequence of filling containers. "

Thank you,

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